

SEQUENCE LISTING

<110> MAVROMARA, PENELOPE
VARAKLIOTI, AGORITSA
GEORGOPOULOU, URANIA

<120> NUCLEIC ACIDS AND NEW POLYPEPTIDES ASSOCIATED WITH
AND/OR OVERLAPPING WITH HEPATITIS C VIRUS CORE GENE
PRODUCTS

<130> 03495-0194-00000

<140> 09/644,987

<141> 2000-08-24

<150> 60/151,074

<151> 1999-08-27

<160> 16

<170> PatentIn Ver. 2.1

<210> 1

<211> 164

<212> PRT

<213> Hepatitis C virus

<400> 1

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Ala His Arg Thr Ser Ser Ser Arg Val Ala Val Arg Ser Leu Val Glu
20 25 30

Phe Thr Cys Cys Arg Ala Gly Ala Leu Asp Trp Val Cys Ala Arg Arg
35 40 45

Glu Arg Leu Pro Ser Gly Arg Asn Leu Glu Val Asp Val Ser Leu Ser
50 55 60

Pro Arg Leu Val Gly Pro Arg Ala Gly Pro Gly Leu Ser Pro Gly Thr
65 70 75 80

Leu Gly Pro Ser Met Ala Met Arg Ala Ala Gly Gly Arg Asp Gly Ser
85 90 95

Cys Leu Pro Val Ala Leu Gly Leu Ala Gly Ala Pro Gln Thr Pro Gly
100 105 110

Val Gly Arg Ala Ile Trp Val Arg Ser Ser Ile Pro Leu Arg Ala Ala
115 120 125

Ser Pro Thr Ser Trp Gly Thr Tyr Arg Ser Ser Ala Pro Leu Leu Glu
130 135 140

Ala Leu Pro Gly Pro Trp Arg Met Ala Ser Gly Phe Trp Lys Thr Ala
145 150 155 160

Thr Met Gln Gln

<210> 2
 <211> 499
 <212> DNA
 <213> Hepatitis C virus

<220>
 <221> CDS
 <222> (5)..(484)

<220>
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 <222> (488)..(499)

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 Ala Arg Ile Leu Asn Leu Lys Lys Lys Thr Asn Val Thr Pro Thr
 1 5 10 15

gtc gcc cac agg acg tca agt tcc cgg gtg gcg gtc aga tcg ttg gtg 97
 Val Ala His Arg Thr Ser Ser Ser Arg Val Ala Val Arg Ser Leu Val
 20 25 30

gag ttt act tgt tgc cgc gca ggg gcc cta gat tgg gtg tgc gcg cga 145
 Glu Phe Thr Cys Cys Arg Ala Gly Ala Leu Asp Trp Val Cys Ala Arg
 35 40 45

cga gaa aga ctt ccg agc ggt cgc aac ctc gag gta gac gtc agc cta 193
 Arg Glu Arg Leu Pro Ser Gly Arg Asn Leu Glu Val Asp Val Ser Leu
 50 55 60

tcc cca agg ctc gtc ggc ccg agg gca gga cct ggg ctc agc ccg ggt 241
 Ser Pro Arg Leu Val Gly Pro Arg Ala Gly Pro Gly Leu Ser Pro Gly
 65 70 75

acc ctt ggc ccc tct atg gca atg agg gct gcg ggt ggg cgg gat ggc 289
 Thr Leu Gly Pro Ser Met Ala Met Arg Ala Ala Gly Gly Arg Asp Gly
 80 85 90 95

tcc tgt ctc ccc gtg gct ctc ggc cta gct ggg gcc cca cag acc ccc 337
 Ser Cys Leu Pro Val Ala Leu Gly Leu Ala Gly Ala Pro Gln Thr Pro
 100 105 110

ggc gta ggt cgc gca att tgg gta agg tca tcg ata ccc tta cgt gcg 385
 Gly Val Gly Arg Ala Ile Trp Val Arg Ser Ser Ile Pro Leu Arg Ala
 115 120 125

gct tcg ccg acc tca tgg ggt aca tac cgc tcg tcg gcg ccc ctc ttg 433
 Ala Ser Pro Thr Ser Trp Gly Thr Tyr Arg Ser Ser Ala Pro Leu Leu
 130 135 140

gag gcg ctg cca ggg ccc tgg cgc atg gcg tcc ggg ttc tgg aag acg 481
 Glu Ala Leu Pro Gly Pro Trp Arg Met Ala Ser Gly Phe Trp Lys Thr
 145 150 155

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 Ala Thr Met Gln Gln
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<210> 3
 <211> 39
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
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<220>
 <221> CDS
 <222> (16)..(39)

<400> 3
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<210> 4
 <211> 8
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
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<400> 4
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 1 5

<210> 5
 <211> 33
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
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<220>
 <221> CDS
 <222> (13)..(33)

<400> 5
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<210> 6
 <211> 7
 <212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 6

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<210> 7

<211> 45

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic oligonucleotide

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<221> CDS

<222> (22) .. (45)

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<210> 8

<211> 8

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

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<211> 39

<212> DNA

<213> Artificial Sequence

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<222> (19) .. (39)

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<210> 10
 <211> 7
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
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<400> 10
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<210> 11
 <211> 480
 <212> RNA
 <213> Hepatitis C virus

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 ggcccuagau ugggugugcg cgcgacgaga aagacuuccg agcggucgca accucgaggu 180
 agacgucagc cuauccecaa ggcucgucgg cccgagggca ggaccugggc ucagcccggg 240
 uaccuuggc ccucuaugg caaugagggc ugcggguggg cgggauggcu ccugucuccc 300
 cguggcucuc ggccuagcug gggccccaca gacccccggc guaggucgcg caauuugggu 360
 aaggucaucg auaccuuac gugcgguuc gccgaccuca ugggguacau accgcucguc 420
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<210> 12
 <211> 480
 <212> RNA
 <213> Hepatitis C virus

<400> 12
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 ggcccuagau ugggugugcg cgcgacgaga aagacuuccg agcggucgca accucgaggu 180
 agacgucagc cuauccecaa ggcucgucgg cccgagggca ggaccugggc ucagcccggg 240
 uaccuuggc ccucuaugg caaugagggc ugcggguggg cgggauggcu ccugucuccc 300
 cguggcucuc ggccuagcug gggccccaca gacccccggc guaggucgcg caauuugggu 360
 aaggucaucg auaccuuac gugcgguuc gccgaccuca ugggguacau accgcucguc 420
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<210> 13
 <211> 480
 <212> RNA
 <213> Hepatitis C virus

<400> 13
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ggcccuagau ugggugugcg cgcgacgaga aagacuuccg agcggucgca accucgaggu 180
agacgucagc cuaucuccaa ggcucgucgg cccgagggca ggaccugggc ucagcccggg 240
uaccuuggc cccucuaugg caaugagggc ugcggguggg cgggauggcu ccugucucc 300
cguggcucuc ggccuagcug gggccccaca gacccccggc guaggucgcg caauuugggu 360
aaggucaucg auaccuuac gugcgguuc gccgaccuca ugggguacau accgcucguc 420
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<210> 14

<211> 480

<212> RNA

<213> Hepatitis C virus

<400> 14

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ggcccuagau ugggugugcg cgcgacgaga aagacuuccg agcggucgca accucgaggu 180
agacgucagc cuaucuccaa ggcucgucgg cccgagggca ggaccugggc ucagcccggg 240
uaccuuggc cccucuaugg caaugagggc ugcggguggg cgggauggcu ccugucucc 300
cguggcucuc ggccuagcug gggccccaca gacccccggc guaggucgcg caauuugggu 360
aaggucaucg auaccuuac gugcgguuc gccgaccuca ugggguacau accgcucguc 420
ggcgccccuc uuggaggcgc ugccagggcc cuggcgcaug gcguccgggu ucuggaagac 480

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<210> 15

<211> 480

<212> RNA

<213> Hepatitis C virus

<400> 15

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ggcccuagau ugggugugcg cgcgacgaga aagacuuccg agcggucgca accucgaggu 180
agacgucagc cuaucuccaa ggcucgucgg cccgagggca ggaccugggc ucagcccggg 240
uaccuuggc cccucuaugg caaugagggc ugcggguggg cgggauggcu ccugucucc 300
cguggcucuc ggccuagcug gggccccaca gacccccggc guaggucgcg caauuugggu 360
aaggucaucg auaccuuac gugcgguuc gccgaccuca ugggguacau accgcucguc 420
ggcgccccuc uuggaggcgc ugccagggcc cuggcgcaug gcguccgggu ucuggaagac 480

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<210> 16

<211> 480

<212> RNA

<213> Hepatitis C virus

<400> 16

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ggcccuagau ugggugugcg cgcgacgaga aagacuuccg agcggucgca accucgaggu 180
agacgucagc cuaucuccaa ggcucgucgg cccgagggca ggaccugggc ucagcccggg 240
uaccuuggc cccucuaugg caaugagggc ugcggguggg cgggauggcu ccugucucc 300
cguggcucuc ggccuagcug gggccccaca gacccccggc guaggucgcg caauuugggu 360
aaggucaucg auaccuuac gugcgguuc gccgaccuca ugggguacau accgcucguc 420
ggcgccccuc uuggaggcgc ugccagggcc cuggcgcaug gcguccgggu ucuggaagac 480

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